Military Sexual Trauma (MST)
User Documentation

Patch DG*5.3*195

Department of Veterans Affairs

VistA Technical Services

Contents

Introduction

Veterans Health Administration (VHA) Directive 98-058 states that VHA may provide appropriate care and counseling to veterans determined to have been victims of sexual trauma while serving on active duty. Treatment for MST is applicable to both male and female veterans, and payments or copayments are not to be charged. Patients are not required to file a Report for Service Connection to be entitled to treatment for MST.

The Military Sexual Trauma (MST) software provides the following functionality:

- Allows users to enter, edit, and delete MST status codes through the use of a List Manager interface.

- Stores the following MST-related data in a new file, MST HISTORY (#29.11):

  - Veteran's name

  - MST status

  - MST status change date

  - Provider determining status

  - User changing status

- Allows users to generate a variety of reports

- Triggers HL7 messaging to the National Patient Care Database (NPCD) when a new MST status is entered for a veteran.

Monograph

Overview

VHA Directive 98-058, Sexual Trauma Counseling Care and Services, states that VHA may provide appropriate care and counseling to veterans determined to have been victims of any of the following while serving on active duty:

- Physical assault of a sexual nature

- Battery of a sexual nature

- Sexual harassment

Under Secretary for Health, Kenneth W. Kizer, M.D., M.P.H., has signed VHA Executive Decision Memo (dated June 16, 1997) recommending approval of methods to be used for data collection and workload reporting. The objectives include standardized data capture throughout the system through the use of specified ICD-9 CM and E. Codes, inclusion of an indicator for Military Sexual Trauma (MST) during patient checkout, billing issues related to treatment for MST, and the addition of a new DSS Identifier (Stop Code). Treatment for MST is applicable to both male and female veterans, and payments or copayments are not to be charged. Patients are not required to file a Report for Service Connection to be entitled to treatment for MST.

Features

- Initial and subsequent identification of MST patients

- Collection of treatment data related to MST

- Billing issues related to treatment of MST

- Transmission of MST-related information to the AAC

- Reporting information related to MST

Installation Guide / Release Notes

In lieu of a formal installation guide and release notes, the Appendix Section of this documentation contains the DG*5.3*195 patch description, which provides step-by-step installation instructions and release information.

Using the Software

The MST software provides a standalone menu that can be added to the appropriate users' secondary menus and contains the following menu options.

MST Status Add/Edit

Use this option to enter, edit, delete, and display new MST status codes for patients through a series of List Manager Screens. The EL Edit Entry and DL Delete Status Entry actions will only be allowed for entries that you make in the current session. You cannot modify entries made in previous sessions. When you exit the option, HL7 messages are triggered to send the updated MST status information to the National Patient Care Database (NPCD).

Data Entry Screen Actions

Synonym	Action Name	Description
EP	Enter by Patient	Displays the following information for each patient for whom entries were made during the current session: • Last four numbers of patient's SSN • Name of patient • MST status • Name of the provider who determined the MST status • Date of last status change Software prompts the user to enter the following information for each patient: • Patient's name • New / changed MST status • Date of new / changed status • Provider determining new / changed status
ES	Enter by Status	Displays the following information for each patient for whom entries were made during the current session: • Last four numbers of patient's SSN • Name of patient • MST status • Name of the provider who determined the MST status • Date of last status change Software prompts the user to enter the following information for each patient: • New / changed MST status • Patient's name • Date of new / changed status

Synonym	Action Name	Description
		• Provider determining new MST status / status change
EX	Expand Patient	Displays the following information on the MST Status History Screen for the selected patient: • Status Date - date and time of the last status update • MST Status - single alpha character representing the MST status code entered for the selected patient • Provider who determined the MST status for the selected patient • User who entered the MST status for the selected patient
EL	Edit Entry	Lets you edit status entries made in the current session only.
DL	Delete Status Entry	Lets you delete status entries made in the current session only.
DP	Display Patient	Takes you to the MST Status History Screen for the selected patient and displays the same information as the EX action above.

MST Outputs

Print Statistical Report

Prints the MST Statistical Report, which displays the number of new cases identified for MST, and provides the following statistics for a user-specified date range:

Outpatient	Inpatient
• Number of outpatient encounters related to MST • Number of outpatient encounters not related to MST • Number of unique outpatients treated for MST • Average number of encounters related to MST • Average number of encounters not related to MST • Number of male/female outpatient encounters by ICD-9 code.	• Number of inpatient episodes related to MST • Number of inpatient episodes not related to MST • Number of unique inpatients treated for MST • Average number of inpatient episodes treated for MST • Average number of inpatient episodes not treated for MST • Total length of stay of inpatients treated for MST • Average length of stay of inpatients treated for MST • Number of male/female inpatient encounters by ICD-9 code.

MST Summary Report

Prints the MST Summary Report, which provides total overall patient count, total counts by patient gender, and the percentage of all patients for the following MST statuses within a user-specified date range:

Synonym	Status Name	Description
Y	Yes, Screened Reports MST	Indicates that the patient has been screened and reports MST.
N	No, Screened Does Not Report MST	Indicates that the patient has been screened and does not report MST.
D	Screened, Declines to Answer	Indicates that the patient has been screened and declines to answer.
U	Unknown, Not Screened	Indicates that the patient has not been screened.

Detailed Demographic Report

Prints the MST Detailed Demographic Report, which provides the following demographic data for user-specified MST status codes within a user-specified date range:

- SSN

- Name, address, and phone number

- Gender

- Eligibility Code

- Period of Service

- Service Indicator

The software prompts for the following sort criteria:

- MST status code (This prompt repeats, allowing you to select multiple status codes.)

- Gender (Male, Female, Both)

- Period of Service (Sort the report by patient name, or by Period of Service and within POS, by patient name.)

MST History Report by Patient

Prints the MST History Report, which provides the following information from the MST HISTORY File (#29.11) for user-specified patient(s):

- Patient's name and SSN

- Status date(s) (Displays the date of the original status entry, and date(s) of any status change(s).)

- MST status code

- Provider name

- Name of the person who entered the MST status

Technical Information

Implementation and Maintenance

Refer to the DG*5.3*195 patch description.

Files

Patch DG*5.3*195 installs the following new file:

File Number	File Name	Global	Description
29.11	MST HISTORY	^DGMS(29.11,	Tracks the following MST-related information: • Veteran's MST status • Provider who determines the status change • User who enters the status change A new entry is created each time a veteran's status changes. Data in this file *SHOULD NOT BE MODIFIED* directly. All entries should be made through the associated List Manager application.

Routines

Refer to the DG*5.3*195 patch description in the Appendix Section of this documentation for information about the routines that are exported with the MST software.

Exported Options

Menu Diagram

Take the following steps to obtain a diagram of the Military Sexual Trauma Menu:

1. Menu Management Menu

2. Display Menus and Options Menu

3. Diagram Menus

4. Select User or Option Name: **O.DGMST PRIMARY MENU**

Archiving and Purging

There are no archiving or purging capabilities exported with this version of the MST software.

Callable Routines/Entry Points/Application Programmer Interfaces (APIs)

External Relations

Database Integration Agreements (DBIAs)

Custodial	
Reference Number	*Brief Description*
2716	Establishes DG MST STATUS APIs for the entry and retrieval of MST Trauma status information on veterans. The primary mechanism is within the Registration software, but data will be requested from (and eventually updated from) Scheduling and Patient Care Encounter (PCE). VHA Directive 98-058 "Sexual Trauma Counseling Care and Services", provides the guidance on this data collection.

Subscribing	
Reference Number	*Brief Description*
402	Pointer to File #409.68 needed to retrieve data from this file when a claim is being generated.
409	Exposure classification questions

Internal Relations

All user menus and options exported with this version of the MST software function independently.

Package-wide Variables

No package-wide variables are exported with this version of the MST software.

Security Information

Security Management

- Refer to the External Relations portion of the <u>Technical Information</u> Section of the MST User Documentation for integration agreements with other software products.

- Refer to the Reference(s) / Official Policies section below for information about applicable VHA directives.

Security Features

Mail Groups and Alerts

DGMST TO NPCD	The KIDs installation program will ask for the name of the Mail Group Coordinator when installing this mail group. The installer should identify this individual before beginning the install. Recommendations for this individual could be the local Women's Health Coordinator or a local IRM staff member. Members of this group will receive a copy of the HL7 ADT messages to NPCD when the logical link is turned on.

Remote Systems

MST data is transmitted to the National Patient Care Database (NPCD) via HL7 messaging.

Contingency Planning

Your site should have a backup emergency plan in place in the event that the system goes down. The facility contingency plan must identify the procedure for maintaining functionality provided by this package in the event of system outage. Field station ISOs may obtain assistance from their Regional Information Security Officer (RISO).

Interfacing

There are no specialized interfacing requirements for the MST software.

Electronic Signatures

MST does not use electronic signatures.

Security Keys

No security keys are exported with the MST software.

File Security

Name	Number	DD Access	RD Access	WR Access	DEL Access	LAYGO
MST HISTORY	29.11					

- Veterans Health Administration (VHA) Directive 98-058, Sexual Trauma Counseling Care and Services, states that VHA may provide appropriate care and counseling to veterans determined to have been victims of any of the following while serving on active duty:

    – Physical assault of a sexual nature

    – Battery of a sexual nature

    – Sexual harassment

- VHA Directive 10-93-142, *Local Modifications to DHCP Software*, prohibits local modification to the file(s) that are exported with the MST software.

Appendix

```
DHCP Patch Display                                          Page: 1

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Run Date: MAY 14, 1999               Designation: DG*5.3*195  TEST v11

Package : REGISTRATION               Priority   : MANDATORY

Version : 5.3                        Status     : UNDER DEVELOPMENT

============================================================================


Associated patches: (c)SD*5.3*150    install with patch       `DG*5.3*195'

                    (c)PX*1*56       install with patch       `DG*5.3*195'

                    (c)VSIT*2*4      install with patch       `DG*5.3*195'

                    (v)DG*5.3*114  <<= must be installed BEFORE `DG*5.3*195'

                    (v)SD*5.3*132  <<= must be installed BEFORE `DG*5.3*195'

                    (v)SD*5.3*142  <<= must be installed BEFORE `DG*5.3*195'

                    (v)DG*5.3*160  <<= must be installed BEFORE `DG*5.3*195'

                    (v)DG*5.3*164  <<= must be installed BEFORE `DG*5.3*195'



    Subject: MST ENHANCEMENT


    Category:   ROUTINE

                DATA DICTIONARY

                ENHANCEMENT

                INPUT TEMPLATE
```

Description:

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This is the informational portion of patch DG*5.3*195. The changes
associated with this patch, as well as the associated patches SD*5.3*150,
PX*1.0*56, and VSIT*2*4 will be installed as part of this patch.

Reference mandate: Veterans Health Administration (VHA) Directive 98-058

This directive provides that VHA may provide appropriate care and
counseling to veterans determined to have been a victim of sexual trauma
while the veteran was serving on active duty. This patch provides a data
collection mechanism for this mandate through a new List Manager interface
and output options. This interface will store Military Sexual Trauma
(MST) status codes for a veteran in a new file, and provides statistical
and roll-up reporting mechanisms. As part of this patch, when a new MST
status for a veteran is entered, an HL7 ADT event is triggered which will
send an A08 message with the status change to the National Patient Care
Database (NPCD).

At this time the NPCD is not ready to accept transmission of the HL7
messages. The installation instructions, step 9, must be accomplished to
to ensure no HL7 messages are generated and sent to the NPCD until
such time that they are ready to accept these messages.

Software Retrieval

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This patch is not being distributed through the National Patch Module.

The following distribution files may be obtained using FTP from the

appropriate Customer Service directory:


```
CIO FIELD OFFICE             FTP ADDRESS          DIRECTORY

================             ==========           =========

ALBANY                       152.127.1.5          ANONYMOUS.SOFTWARE

HINES                        152.129.1.110        ANONYMOUS.SOFTWARE

SALT LAKE                    152.131.2.1          ANONYMOUS.SOFTWARE
```


```
    DG_53_P195.KID          - This file contains the KIDS build for

                              the DG*5.3*195 & SD*5.3*150 & PX*1.0*56 &

                              VSIT*2.0*4 patches.


    DG_5_3_P195_MST.PDF     - This file contains the documentation

                              available below in a Adobe Acrobat format.
```

  Documentation for this patch is available in electronic format on the

  following VA intranet web page:

        http://152.127.1.95/softserv/mip/projects/mst/notebook.htm

Hardcopy documentation for this version will not be released from the
National Center for Documentation, documentation standards are moving to
online documentation. Please see the above VA Intranet URL for the most
recent documents.

Registration

============

This patch provides the initial mechanisms for capturing and tracking
Military Sexual Trauma data. This includes a user interface and the
capabilities within APPOINTMENT MANAGEMENT [SDAM APPT MGT] to capture this
information. Additional patches from the Automated Information Collection
System (AICS), Event Capture, and other involved packages will be required
to collect this information through their related processes.

This patch installs a new file, MST HISTORY File, #29.11, which will
track the MST status for a veteran, the change date, the provider who
determines the status change, and the user who entered the status
change. This file creates a new global, ^DGMS, there is no additional
setup required. This file is a historical tracking mechanism, if
veteran's status changes, a new entry is created. Entries must be made
through the APPROPRIATE INTERFACE ONLY. No direct editing of this file
should be done. This patch will also modify the current PTF File, #45,
to add the following fields; TREATMENT FOR MST, Field #29, and TREATMENT
FOR MST, Field #79.29. to support asking if the inpatient movement is
related to Military Sexual Trauma (see new components below). A veteran
will need to have a current MST status of 'Yes' in order for the user to
be prompted for this question.

The Military Sexual Trauma [DGMST PRIMARY MENU] is a stand alone menu and should be added as a secondary menu to the appropriate users.

List Manager Templates:

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o DGMST STATUS ENTRY

   List Manager template for entering MST status information for patients

o DGMST STATUS DISPLAY

   List Manager display template for patient MST status information

Options:

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o Military Sexual Trauma Menu [DGMST PRIMARY MENU]

   Primary menu for the interface

o MST Status Add/Edit [DGMST ENTER NEW MST]

   Entry point for adding MST status codes for a patient(s)

o MST Outputs [DGMST OUTPUTS]

   Report menu

o Detailed Demographic Report [DGMST DETAILED REPORT]

   Provides detailed demographic and MST status information for a

   specified date range. Filters on selected MST status codes, gender,

   and veteran period of service

o MST History Report by Patient [DGMST HISTORY REPORT]

   Provides an historical report from the MST HISTORY File (#29.11) for

   a patient

o Print Statistical Report [DGMST STATISTICAL PRINT]

   Provides detailed statistical information for a specified date range.

   Breakdowns by Inpatient and Outpatient categories showing the number

   of new cases and related encounters

Options, continued:

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o MST Summary Report [DGMST SUMMARY REPORT]

  Provides totals and percentages by gender and MST status for a

  specified date range

Protocols:

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o MST CLIENT FOR SENDING ADT-A08 TO NPCD [DGMST A08 SEND CLIENT]

o MST ADT A08 SERVER FOR SENDING TO NPCD [DGMST A08 SERVER]

o Delete Status Entry [DGMST DELETE ENTRY]

o Display Patient [DGMST DISPLAY PATIENT]

o Edit Entry [DGMST EDIT ENTRY]

o Enter by Status [DGMST ENTER BY STATUS]

o Expand Patient [DGMST EXPAND ENTRY]

o MST Status Entry [DGMST MAIN MENU]

o Enter by Patient [DGMST PATIENT ENTER]

This patch will also add the following components:

1. Two new fields to the PTF File, #45, TREATMENT FOR MST, Field #79.29,
   and within the Movement Record, TREATMENT FOR MST, Field #29. In
   addition, the input template DG501 is modified to ask for Treatment
   related to MST.

2. A new mail group, DGMST TO NPCD. Please Note, the KIDs installation
   program will ask for the name of the Mail Group Coordinator when
   installing this mail group. The installer should identify this
   individual before beginning the install. Recommendations for this
   individual could be the local Women's Health Coordinator or
   a local IRM staff member.

3. The following HL7 parameters:
   * MST-SEND, a new HL7 Lower Level Protocol
   * DGMST HL7 EVENT, the MST HL7 ADT application event
   * DGMST-SEND, the HL7 Logical Link

A new integration agreement, reference #2716, providing supported API's
for retrieving and adding MST status entries has been entered. Military
Sexual Trauma is also subscribing to the following Integration Agreements:
#402 and #409. See these Integration Agreement for detailed information.

Routine Summary:

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The following is a list of the routine(s) included in this patch. The
 second line of each of these routine(s) will look like:

    <tab>;;5.3;Registration;**[patch list]**;Aug 13, 1993

                      CHECK^XTSUMBLD results

Routine name	Before Patch	After Patch	Patch List
==============	==============	=============	============
DGMSTAPI	N/A	3654036	195
DGMSTD	N/A	2203438	195
DGMSTHL7	N/A	3654015	195
DGMSTL	N/A	1112919	195
DGMSTL1	N/A	7312289	195
DGMSTL2	N/A	3482251	195
DGMSTR1	N/A	7415903	195
DGMSTR2	N/A	12309932	195
DGMSTR3	N/A	16916017	195
DGMSTR4	N/A	2542306	195
DGPTF	11211902	11341652	26,58,164,195
DGPTF1	13330140	14297582	69,114,195
DGPTFM4	14749436	15574757	114,195
DGPTFMO	13407855	14356151	195
DGPTSPQ	1563488	3067566	195
VAFHLZEL	11668812	12894444	122,160,195

Scheduling (Associated Patch SD*5.3*150)

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The Scheduling portion of the patch will export a new table entry for the

OUTPATIENT CLASSIFICATION TYPE File, #409.41. This table entry is

"MILITARY SEXUAL TRAUMA". Associated routine changes will add an

additional classification question of "Was treatment related to Military

Sexual Trauma" to the existing Service connected, Agent Orange, radiation,

and environmental contaminant questions. This question will only be

asked if the patient has a current MST status of "Yes". Users will see

this question when checking out a patient or completing a PTF record,

provided the above condition exists.

Please Note: The "Was treatment related to Military Sexual Trauma" will be

asked regardless of the patient's service connected status, as long as the

patient's current MST status is "Yes". FOR INPATIENT APPOINTMENTS to an

outpatient clinic, no classification questions are asked, including the

MST question. This is in keeping with the current process for asking

these questions.

Routine Summary:

================

 The following is a list of the routine(s) included in this patch. The

 second line of each of these routine(s) will look like:

    <tab>;;5.3;Scheduling;**[patch list]**;Aug 13, 1993

                      CHECK^XTSUMBLD results

 Routine name   Before Patch   After Patch   Patch List

 ============   ============   ===========   ==========

  SDCO21   2878529   2989727   150

  SDCO22   2672854   2733973   150

  SDPCE   10580536   11446432   27,91,132,150

Patient Care Encounter (Associated Patch PX*1.0*56)

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The PCE portion of the patch will update routine changes to prompt the

user to indicate if the encounter is MST related during the PCE

checkout process. The question will only be asked if the patient has

a current MST status of "Yes".

Routine Summary:

================

 The following is a list of the routine(s) included in this patch. The

 second line of each of these routine(s) will look like:

    <tab>;;1.0;PCE PATIENT CARE ENCOUNTER;**[patch list]**;Aug 12, 1996

                        CHECK^XTSUMBLD results

 Routine name   Before Patch   After Patch   Patch List

 ============   ============   ===========   ==========

 PXBAPI1   9249960   9925474   1,9,23,56

 PXKFVST   1812985   2754067   22,56

 PXKVST   7444037   7733383   56

Visit Tracking (Associated Patch VSIT*2*4)

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The Visit Tracking portion will update the VISIT File (#9000010) with a

new field: MILITARY SEXUAL TRAUMA (#80005). This field will store whether

a specific visit by a patient was MST related or not.

Integration Agreements reference #1900 and #1901, have been updated to

include the addition of the Military Sexual Trauma as an additional

variable to updates to the VISIT File, #9000010, by PCE Patient Care

Encounter.   See the specific Integration Agreement for details.

ROUTINE SUMMARY:

================

The following is a list of the routine(s) included in this patch. The

second line of each of these routine(s) will look like:

    <tab>;;2.0;VISIT TRACKING;**[patch list]**;Aug 12, 1996;

                        CHECK^XTSUMBLD results

Routine name   Before Patch   After Patch   Patch List

============   ============   ===========   ==========

VSITFLD   2638733   2873894   4

Installation Instructions:

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This patch should be loaded during non-peak hours to minimize disruption

to users. Installation will take less than 15 minutes.

                            Warning

When an option is included in the patch build, the question REBUILD MENUS

is asked as a PRE-INSTALL question. If you choose to have KIDs rebuild

the menus it will happen at the end of the build installation and may take

several hours.

 1. Download the KIDS file DG_53_P195.KID from the anonymous.software

     directory on appropriate FTP site listed above. Move the file to the

     appropriate directory on your system.

2. Use LOAD A DISTRIBUTION option on the KIDS INSTALLATION Menu, and
   enter: DG_53_P195.KID

3. Review your mapped set. If any of the routines listed in the
   ROUTINE SUMMARY section are mapped, they should be removed
   from the mapped set at this time.

4. From the Kernel Installation and Distribution System Menu, select
   the Installation menu.

5. From this menu, you may elect to use the following options
   (when prompted for INSTALL NAME, enter DG*5.3*195:

   Note – options (b.) (c.) and (d.) must be run for each individual
   build included in this transport. Only (a.) Backup a Transport
   Global and Installation can and must be referenced exclusively by the
   primary build.

   a. Backup a Transport Global - this option will create a backup
       message of any routines exported with the patch. It will NOT
       backup any other changes such as DDs or templates.
   b. Compare Transport Global to Current System - this option will
       allow you to view all changes that will be made when the patch
       is installed. It compares all components of the patch (routines,
       DDs, templates, etc.).
   c. Verify Checksums in Transport Global - this option will
       allow you to ensure the integrity of the routines that are in
       the transport global.
   d. Print Transport Global - this option will allow you to view the

components of the KIDS build.

6. Use the Install Package(s) option and select the package DG*5.3*195.

7. When prompted 'Want to DISABLE Scheduled Options, Menu Options, and
    Protocols? YES//', respond Yes. When prompted to select options you
    would like to place out of order, enter the following:

    SDAM APPT MGT   Appointment Management

    SDAPP   Appointment Menu

    SDAM APPT CHECK IN/OUT   Appointment Check-in/Check-out

    PXCE ENCOUNTER DATA ENTRY   PCE Encounter Data Entry

    PXCE ENCOUNTER ENTRY & DELETE PCE Encounter Data Entry and Delete

    PXCE ENCOUNTER ENTRY NO DELETE PCE Encounter Entry without Delete

    PXCE ENCOUNTER ENTRY SUPER   PCE Encounter Data Entry - Supervisor

    When prompted to select the protocols you would like to place out of
    order, enter the following:

     SDAM PCE EVENT   Process PCE Event Data

8. If routines were unmapped as part of step 2, they should be returned
    to the mapped set once the installation has run to completion.

9. The NPCD is currently not able to accept the MST HL7 ADT message.
    This patch install is designed to bring in the lower level protocol
    in an inactive status, and to add the DGMST A08 SEND CLIENT with the
    CLIENT (SUBSCRIBER) Field (#770.2) of the PROTOCOL File (#101) blank.
    Please verify by following steps a and b:

a. Ensure that this logical link is disabled by entering the HL7
   'V1.6 OPTIONS' menu and select the 'Communications Server ...'
   menu. From this sub-menu, select 'Stop LLP'. At the 'Select HL
   LOGICAL LINK NODE:', enter DGMST-SEND.

b. Through FileMan, do an inquire on the PROTOCOL File (#101) for the
   DGMST A08 SEND CLIENT entry. There should be NO
   CLIENT(SUBSCRIBER) field displayed. If this field displays as
   follows: CLIENT (SUBSCRIBER): DGMST HL7 EVENT, you will need to
   delete this entry through FileMan edit.

Once Austin is ready to accept the MST HL7 message, instructions will
sent out with detailed information on turning the HL7 message back
on.

Please Note: upon quitting the MST Status Add/Edit [DGMST ENTER NEW
MST] you will briefly see a "Transmitting MST updates." This message
indicates that the HL7 trigger event has been called, but at this
time, by following steps a and b above, there is no actual
transmission.

10. Assign the Military Sexual Trauma Menu [DGMST PRIMARY MENU] option
     to the appropriate users as required.

11. Add the appropriate individuals to the DGMST TO NPCD mail
    group. This group will receive a copy of the HL7 ADT messages to
    NPCD when the logical link is turned on.

Glossary

AAC	**A**ustin **A**utomation **C**enter
HL7	**H**ealth **L**evel **S**even
MST	**M**ilitary **S**exual **T**rauma
NPCD	**N**ational **P**atient **C**are **D**atabase